

ABSTRACT

The invention relates to a voltage converter for converting a primary/secondary voltage into a secondary/primary voltage, comprising at least one controlled switch, wherein a control circuit controls, according to its supplied set points, the at least one controlled switch with a variable pulse duty factor and/or variable control times and/or variable frequency. The invention further comprises a digital signal processor for the running calculation of the set values for the control circuit, and the voltage converter comprises a (bus) interface via which operating parameters can, from an external control center, be transmitted to the digital signal processor and preset.